

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-15 (Canceled)

Claim 16 (Currently Amended): An imaging apparatus comprising:
a casing having including an optical filter;
a plurality of light sources, in the casing, each emitting configured to emit an invisible light to be reflected by an object; and
a two dimensional image sensor, in the casing, surrounded by the light sources and receives configured to receive the reflected invisible lights from the object through the optical filter,
wherein the optical filter selectively transmits an the invisible light lights and blocks a visible light.

Claim 17 (Previously Presented): The imaging apparatus according to claim 16, wherein the light sources are infrared LEDs.

Claim 18 (Previously Presented): The imaging apparatus according to claim 16, wherein the two dimensional image sensor is a CCD image sensor.

Claim 19 (Currently Amended): A portable imaging apparatus capable to place configured to be placed on a desk, comprising:
a casing having including an optical filter at the a top surface of the casing;

at least one light source two light sources, in the casing, each configured to upwardly emitting emit an invisible light, through the optical filter, to be reflected by an external object; and

an image sensor, disposed in the casing, surrounded by the light sources, and configured to downwardly receiving receive the reflected invisible lights from an the external object through the optical filter,

wherein the optical filter is configured to selectively transmits such transmit light having a predetermined wavelength corresponding to the light source sources in the casing.

Claim 20 (Previously Presented): The image apparatus according to claim 19, wherein the light sources are infrared LEDs.

Claim 21 (Previously Presented): The imaging apparatus according to claim 19, wherein the image sensor is a CCD image sensor.

Claim 22 (Currently Amended): The imaging apparatus according to claim 21, further comprising:

a control mechanism configured to control the CCD image sensor to generate a first image when the light source is sources are emitting the light invisible lights and a second image when the light source is sources are not emitting the light invisible lights.

Claim 23 (Currently Amended): The imaging apparatus according to claim 22, wherein the image sensor takes out only reflected lights an image of the external object is generated from a difference between the first image and the second image.

Claim 24 (Currently Amended): The imaging apparatus according to claim 19, comprising a plurality of wherein the light sources are arranged symmetrically around the imaging sensor.

Claim 25 (Currently Amended): The imaging apparatus according to claim 24, further comprising:

_____ a control mechanism configured to control the image sensor to generate a first image when the light sources emit the invisible lights and a second image when the light sources are not emitting the invisible lights.

Claim 26 (Currently Amended): The imaging apparatus according to claim 25, wherein the image sensor takes out only reflected lights an image of the external object is generated from a difference between the first image and the second image.

Claim 27 (New): The imaging apparatus according to claim 16, wherein a number of the lights sources is more than or equal to 3.

Claim 28 (New): The imaging apparatus according to claim 19, wherein a number of the lights sources is more than or equal to 3.

Claim 29 (New): The imaging apparatus according to claim 16, wherein the light sources are arranged symmetrically about a center of the two dimensional image sensor.

Claim 30 (New): The imaging apparatus according to claim 19, wherein the light sources are arranged symmetrically about a center of the image sensor.